

CLAIMS

What is claimed is:

- 5 1. A skateboard apparatus comprising: a platform having a forward end, an opposing rearward end, a top surface and an undersurface; the platform engaged with a pair of wheel trucks, at least one means for driving, and a power source; one of the wheel trucks providing a single wheel positioned proximate the forward end of the platform establishing a front-wheel drive, and the other of the wheel trucks providing a pair of wheels positioned proximate the rearward end of the platform; the at least one means for driving engaged mechanically with the single wheel and electrically with the electrical power source for driving the single wheel in moving the apparatus on a support surface in a forward direction.
- 10 2. The apparatus of claim 1 further comprising a frame mounted to the platform, the frame supporting the pair of wheel trucks.
- 15 3. The apparatus of claim 2 further comprising a means for actuating, the actuating means positioned proximate the top surface and electrically interconnected with the driving means and the power source, enabling power control to the driving means as actuated by a foot of a rider.
- 20 4. The apparatus of claim 2 further comprising a means for actuating, the actuating means positioned terminally on an electrical cable and electrically interconnected with the driving means and the power source, enabling power control to the driving means as actuated by a hand of a rider.
- 25 5. The apparatus of claim 2 wherein the forward and rearward ends of the frame each provide a receiving means; the apparatus further comprising an extension piece removeably engagable with the receiving means of the platform for extension thereof.
6. The apparatus of claim 5 wherein the extension piece provides a fender brake positioned forward relative to the platform and proximate the at least one wheel.

7. The apparatus of claim 5 wherein the extension piece provides an upwardly extending T-bar positioned in a forward position on the platform.
8. The apparatus of claim 7 further comprising a hand brake with cable actuator enabled for switching power to, and braking the apparatus.
- 5 9. The apparatus of claim 5 wherein the extension piece provides a wheely bar positioned rearwardly on the platform.
10. The apparatus of claim 5 wherein the extension piece provides at least one of a headlight, a tail-light and a reflector, the frame enabling electrical contact with at least one of the headlight and the taillight.
- 10 11. The apparatus of claim 5 wherein the extension piece provides a friction brake positioned rearwardly on the platform and selectively mechanically engagable with the riding surface for frictional braking when actuated by a foot of the rider.
12. The apparatus of claim 2 wherein the power source comprises a battery and further comprises a battery charging circuit engaged for recharging the battery.
- 15 13. The apparatus of claim 2 further comprising a manual brake positioned proximate the top surface at the forward end of the platform and mechanically engagable with the single wheel for frictional braking when actuated by a foot of the rider.
14. The apparatus of claim 2 further comprising a manual brake positioned proximate the top surface and rearwardly on the platform and mechanically engagable with the single wheel for frictional braking when actuated by a foot of the rider.
- 20 15. The apparatus of claim 2 further comprising a seat attachment mountable onto the top surface and extending upwardly therefrom.
16. The apparatus of claim 2 wherein at least one of the wheel trucks provides a shock mounting comprising at least one means for shock absorbing.
- 25 17. The apparatus of claim 16 wherein the means for shock absorbing provides a pivotal swing arm mounting means.
18. The apparatus of claim 2 wherein the means for driving is further engaged mechanically with the pair of wheels, the driving means comprising individual motors engaged

individually with the single wheel and with the pair of wheels for driving the apparatus on the support surface.

19. A skateboard apparatus comprising: a platform engaged with a frame, the frame engaged with a pair of wheel trucks for supporting the apparatus on a support surface; a means for driving wheels of the trucks for moving the apparatus over the support surface; and at least one of: a means for actuating the driving means; a battery and battery charging circuit engaged for recharging the battery, a manual brake positioned proximate the top surface and mechanically engagable with at least one of the wheels for frictional braking when actuated by a foot of the rider, a seat attachment mountable onto a top surface of the platform and extending upwardly therefrom, a shock mounting comprising at least one means for shock absorbing; a receiving means for receiving an extension piece removeably engagable with the receiving means of the platform for extension thereof; the extension piece comprising at least one of: a fender brake positioned forward of the platform and proximate the single wheel; an upwardly extending T-bar positioned forward of the platform; a hand brake with cable actuator enabled for switching power to, and braking the apparatus; a wheely bar positioned rearwardly on the platform; one of a headlight, a tail-light and a reflector, the frame providing electrical contact to at least one of the headlight and the taillight; a friction brake positioned rearwardly on the platform and mechanically engagable with the riding surface for frictional braking when actuated by a foot of the rider.
20. The apparatus of claim 19 wherein the means for driving is further engaged mechanically with the pair of wheels, the driving means comprising individual motors engaged individually with the single wheel and with the pair of wheels for driving the single wheel in moving the apparatus on the riding surface in a forward direction.
21. A skateboard apparatus comprising in combination:
 - A. a skateboard assembly including a platform engaged with a frame, the frame engaged with a pair of wheel trucks for supporting the apparatus on a support surface; a means for driving at least one of the wheels of the trucks for moving the apparatus

over the support surface; and a means for actuating the driving means; a battery and battery charging circuit engaged for recharging the battery, and a manual brake; and

B. a set of skateboard accessories including:

a. a seat attachment mountable onto the platform for extending upwardly therefrom,

b. a shock mounting comprising at least one means for shock absorbing;

c. an extension piece removeably engagable with a receiving means of the frame for extension thereof; the extension piece comprising at least one of: a fender brake positioned forward of the platform and proximate the single wheel; an upwardly extending T-bar positioned forwardly on the platform; a hand brake with cable actuator enabled for switching power to, and braking the apparatus; a wheely bar positioned rearwardly on the platform; one of a headlight, a tail-light and a reflector, the frame providing electrical contact to at least one of the headlight and the taillight; a friction brake positioned at the rearward end of the platform and mechanically engagable with the riding surface for frictional braking when actuated by a foot of the rider.

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